

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082421\
 Data File : BF125195.D
 Acq On : 24 Aug 2021 20:37
 Operator : JU/CG
 Sample : M3507-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 130-A

Quant Time: Aug 25 04:37:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 24 12:39:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

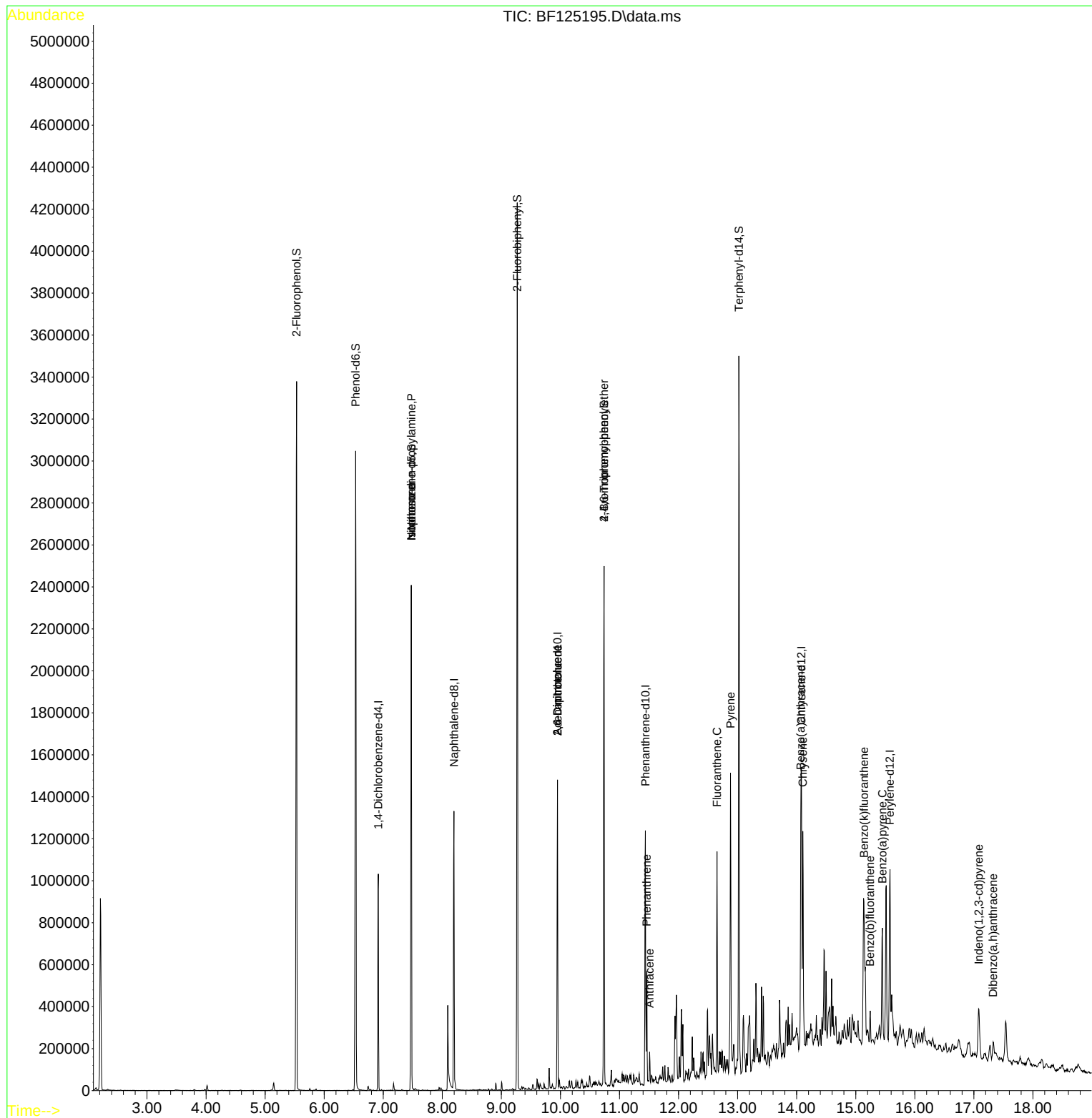
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	144829	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	547059	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	278421	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	436678	20.000	ng	0.00
76) Chrysene-d12	14.080	240	354142	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	372724	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	840837	87.875	ng	0.00
7) Phenol-d6	6.534	99	1050119	84.857	ng	0.00
23) Nitrobenzene-d5	7.475	82	697259	64.166	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	280395	100.888	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1246465	62.396	ng	0.00
79) Terphenyl-d14	13.021	244	1155404	51.975	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	95415	12.819	ng	# 59
25) Isophorone	7.475	82	697253	33.262	ng	# 59
51) 2,6-Dinitrotoluene	9.951	165	35722	8.538	ng	# 28
57) 2,4-Dinitrotoluene	9.951	165	35722	7.055	ng	# 20
67) 4-Bromophenyl-phenylether	10.739	248	18399	3.509	ng	# 1
71) Phenanthrene	11.463	178	201708	8.383	ng	99
72) Anthracene	11.510	178	54154	2.283	ng	97
75) Fluoranthene	12.651	202	351210	14.711	ng	98
78) Pyrene	12.880	202	562373	18.512	ng	97
81) Benzo(a)anthracene	14.068	228	394070	15.444	ng	95
83) Chrysene	14.104	228	406092	16.093	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	162415	6.049	ng	# 88
88) Benzo(b)fluoranthene	15.245	252	66835	2.454	ng	95
89) Benzo(k)fluoranthene	15.139	252	568059	22.356	ng	100
90) Benzo(a)pyrene	15.451	252	260741	10.840	ng	99
91) Dibenzo(a,h)anthracene	17.327	278	51959	2.239	ng	98

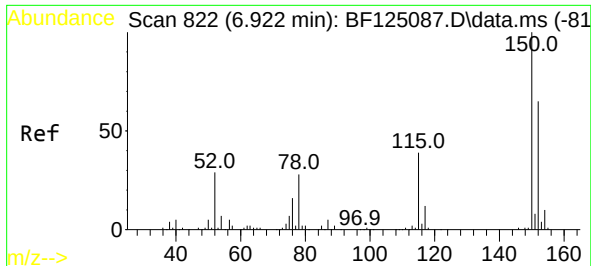
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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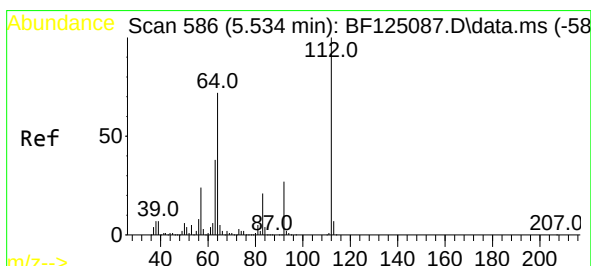
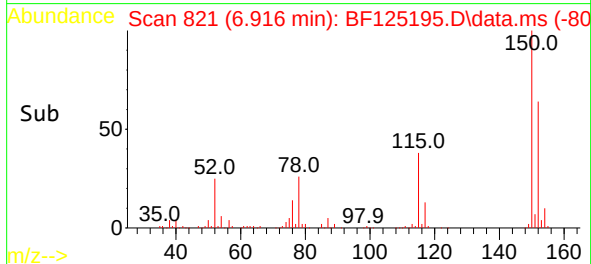
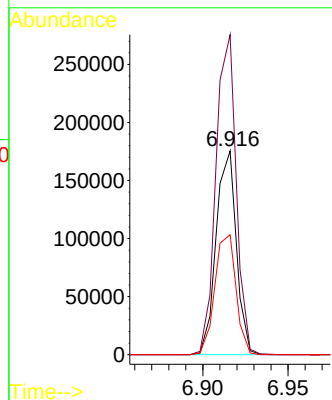
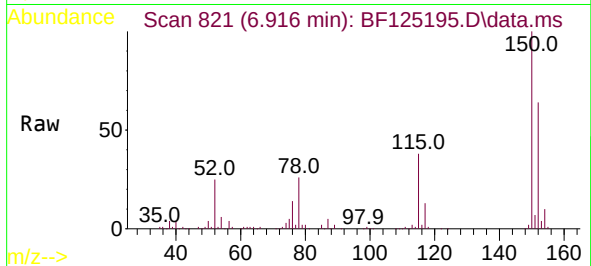




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

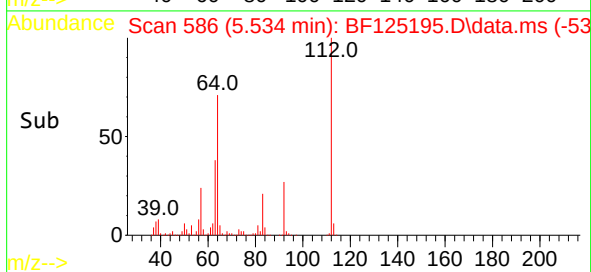
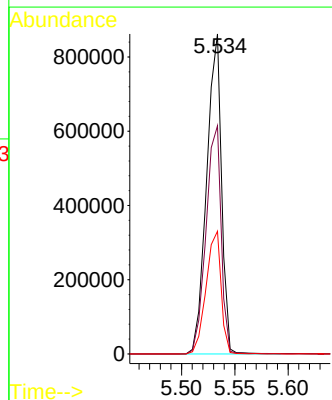
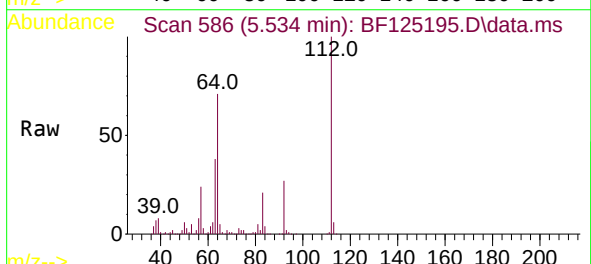
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BNA_F
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130-A

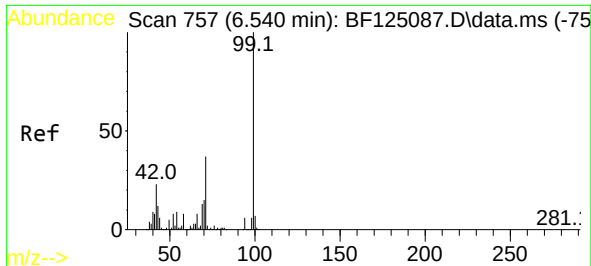
Tgt Ion:152 Resp: 144829
Ion Ratio Lower Upper
152 100
150 156.9 117.6 176.4
115 58.9 47.1 70.7



#5
2-Fluorophenol
Concen: 87.875 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:112 Resp: 840837
Ion Ratio Lower Upper
112 100
64 71.3 44.2 66.2#
63 38.4 26.2 39.2

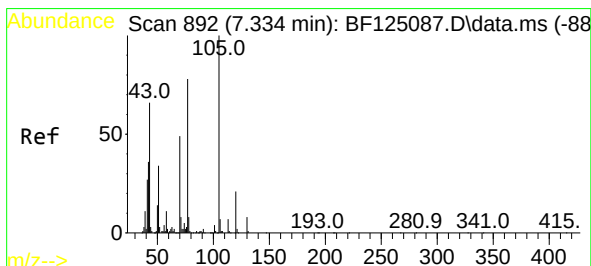
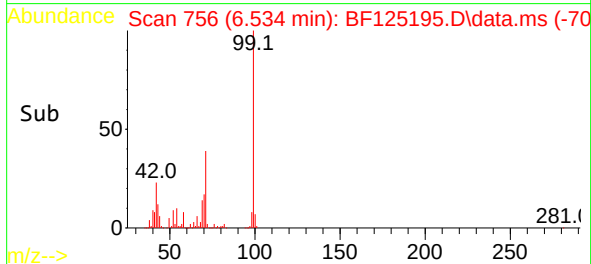
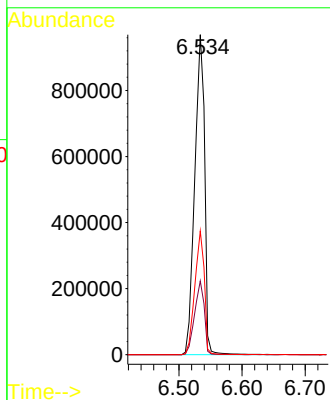
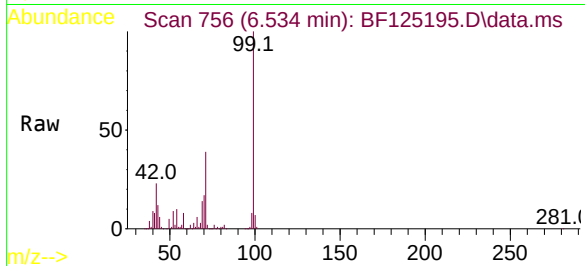




#7
Phenol-d6
Concen: 84.857 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

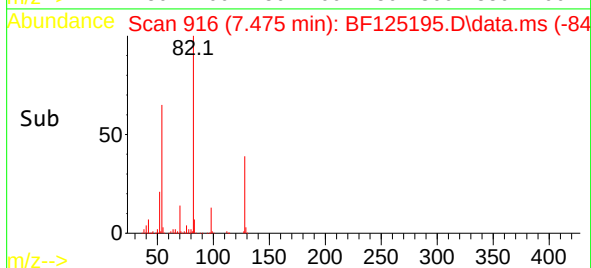
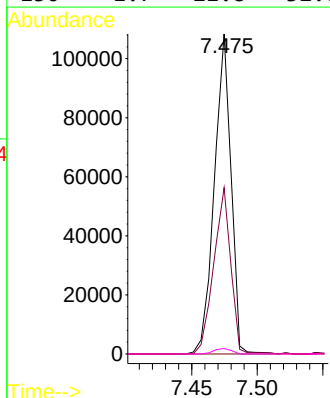
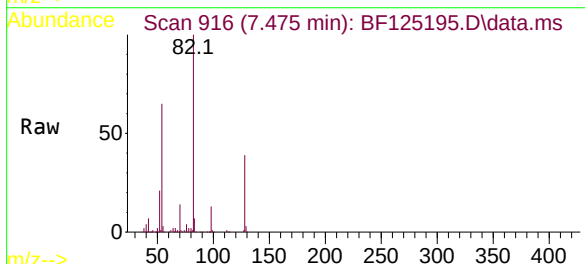
Instrument :
BNA_F
ClientSampleId :
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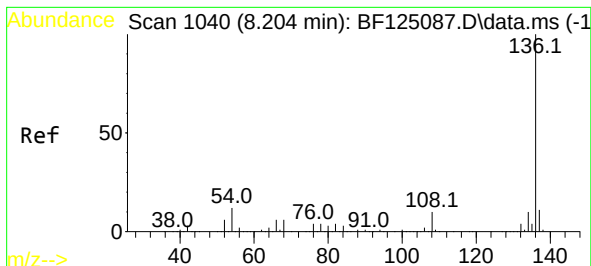
Tgt Ion: 99 Resp: 1050119
Ion Ratio Lower Upper
99 100
42 23.1 23.5 35.3#
71 38.6 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.819 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion: 70 Resp: 95415
Ion Ratio Lower Upper
70 100
42 52.0 72.2 108.2#
101 0.0 7.8 11.8#
130 1.7 21.8 32.6#

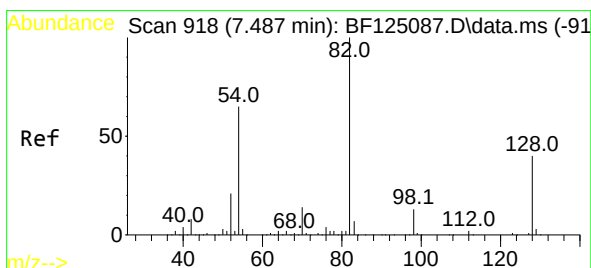
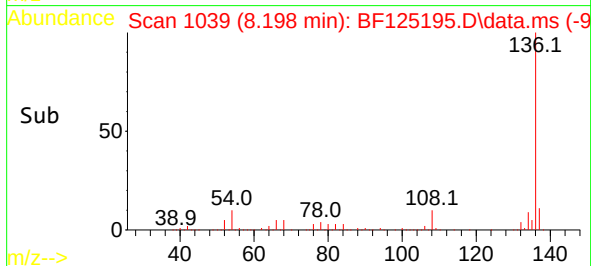
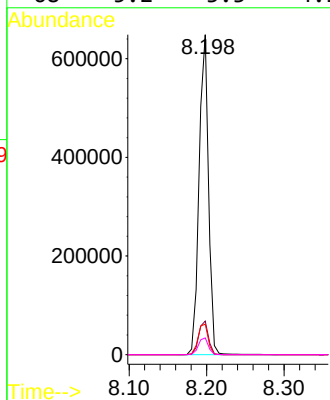
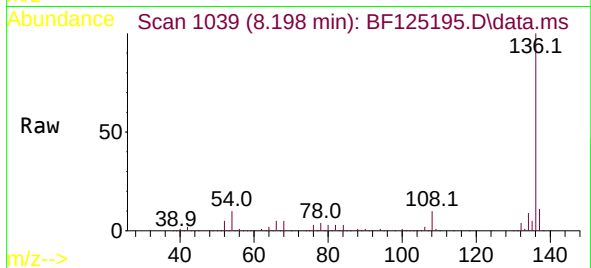




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

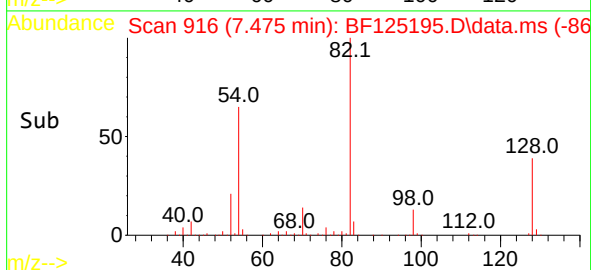
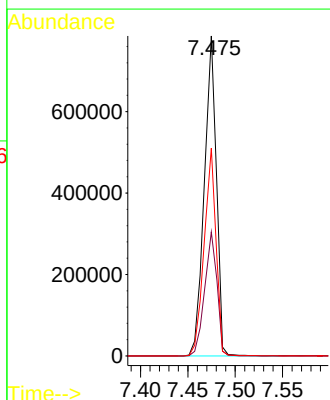
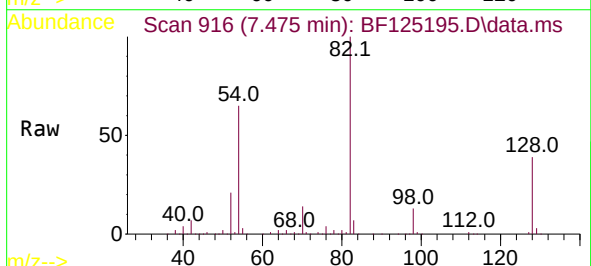
Instrument :
BNA_F
ClientSampleId :
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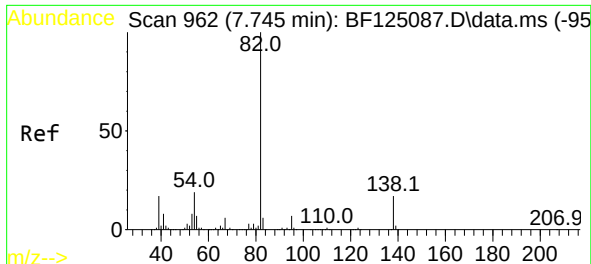
Tgt Ion:136 Resp: 547059
Ion Ratio Lower Upper
136 100
137 10.5 9.8 14.6
54 9.6 6.4 9.6
68 5.2 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 64.166 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion: 82 Resp: 697259
Ion Ratio Lower Upper
82 100
128 38.7 40.6 60.8#
54 64.9 49.6 74.4

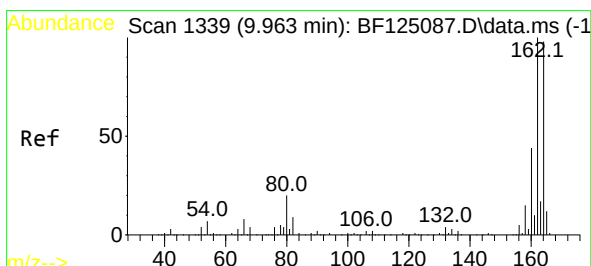
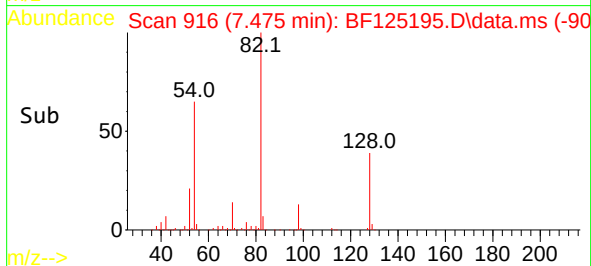
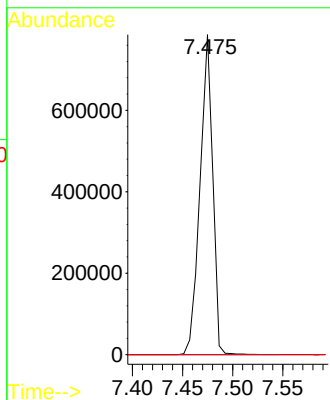
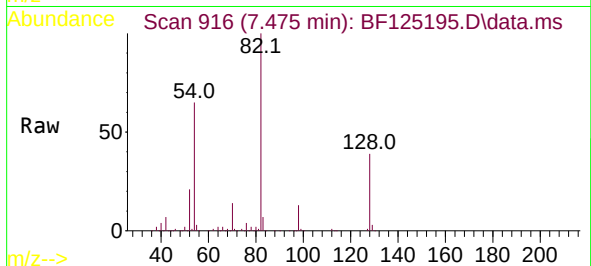




#25
Isophorone
Concen: 33.262 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

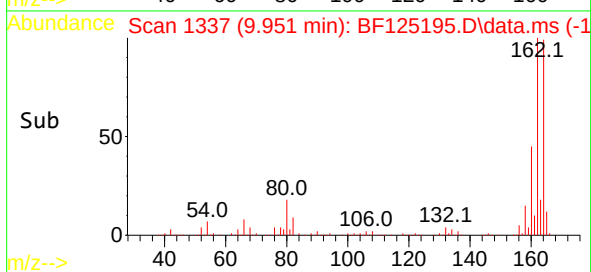
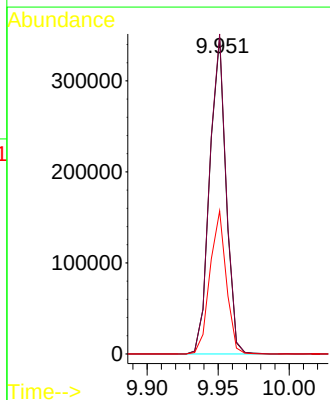
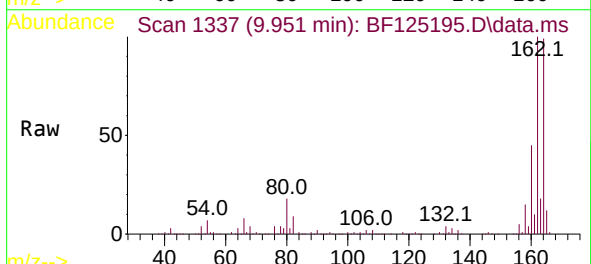
Instrument :
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ClientSampleId :
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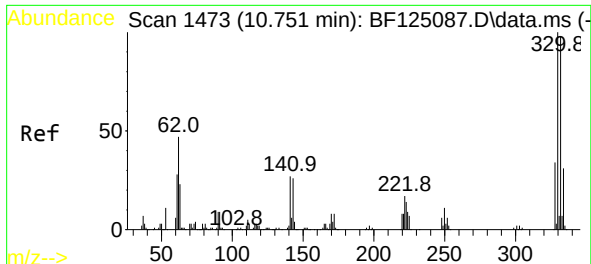
Tgt Ion: 82 Resp: 697253
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion: 164 Resp: 278421
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 45.1 38.0 57.0

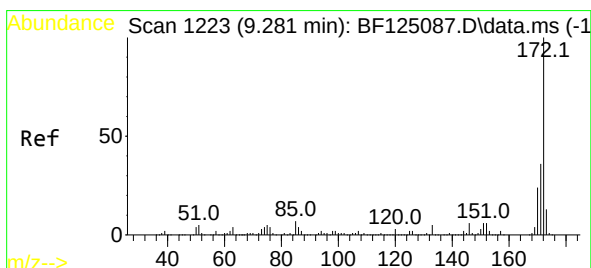
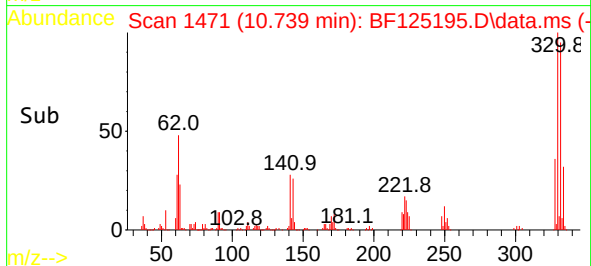
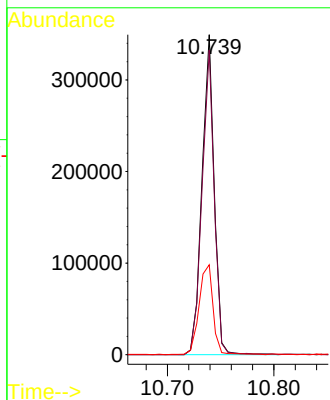
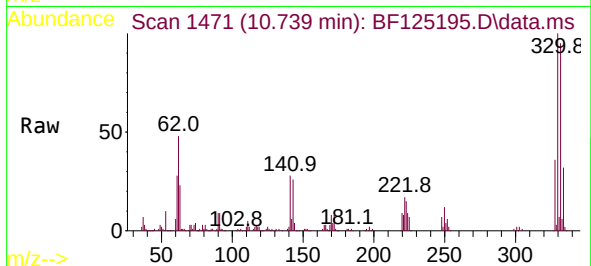




#42
2,4,6-Tribromophenol
Concen: 100.888 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

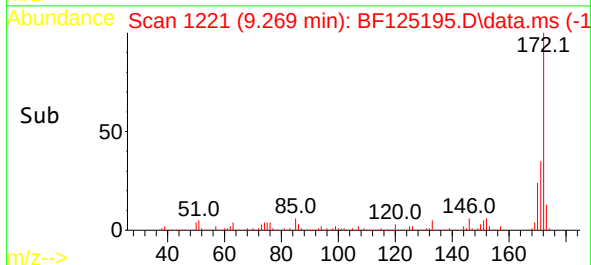
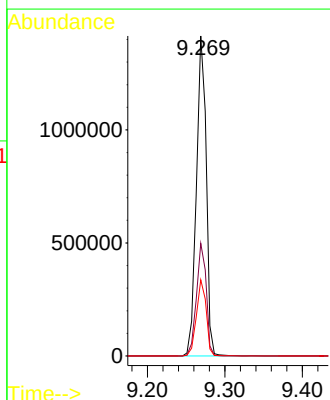
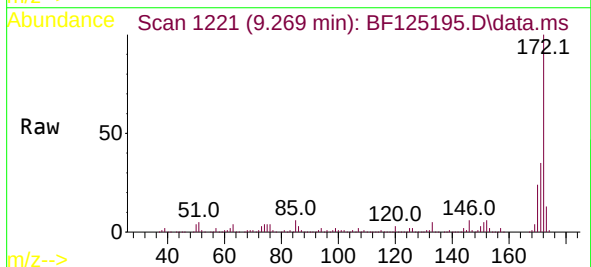
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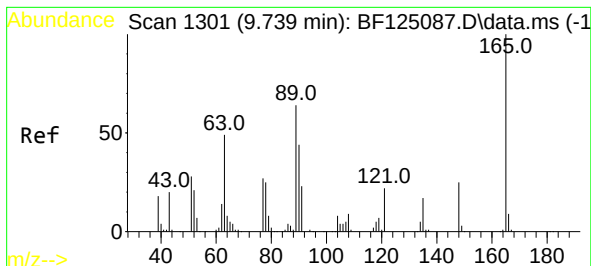
Tgt Ion:330 Resp: 280395
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 32.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 62.396 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:172 Resp: 1246465
Ion Ratio Lower Upper
172 100
171 35.2 26.5 39.7
170 23.8 18.8 28.2

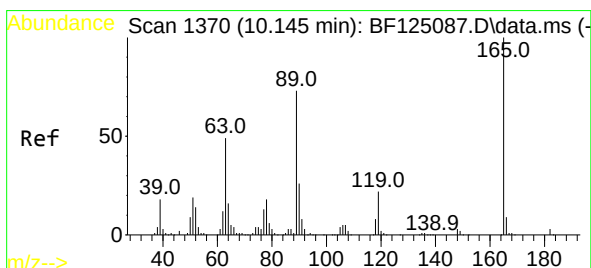
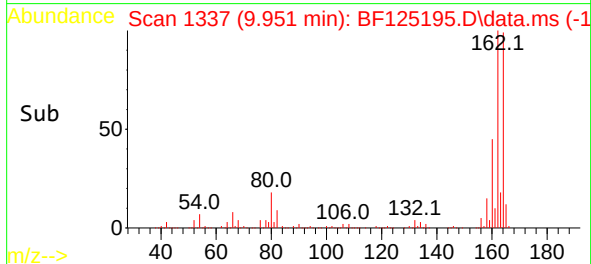
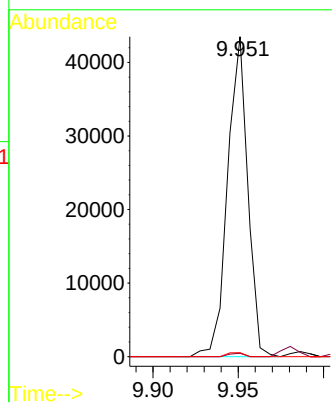
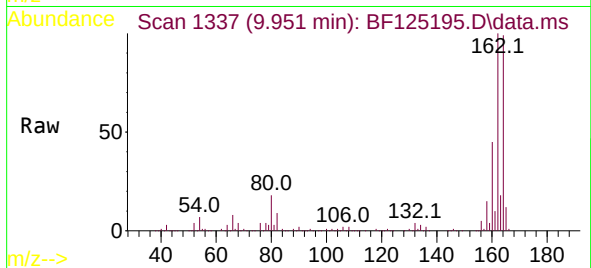




#51
2,6-Dinitrotoluene
Concen: 8.538 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

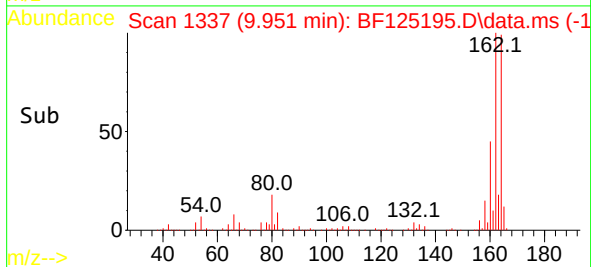
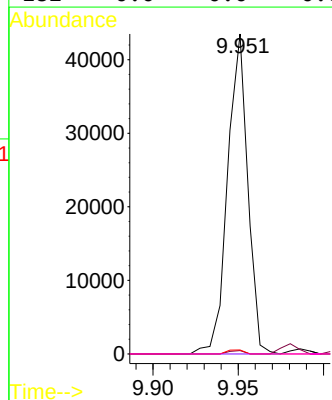
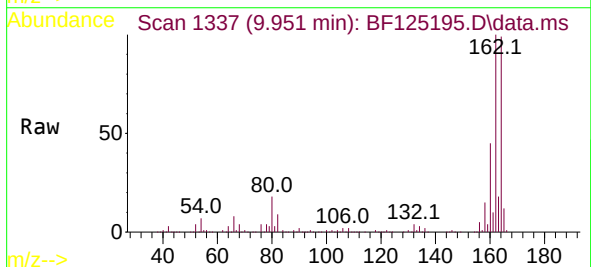
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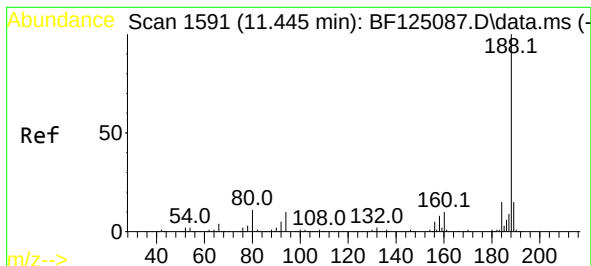
Tgt Ion:165 Resp: 35722
Ion Ratio Lower Upper
165 100
63 1.0 42.6 63.8#
89 1.2 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.055 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:165 Resp: 35722
Ion Ratio Lower Upper
165 100
63 1.0 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0

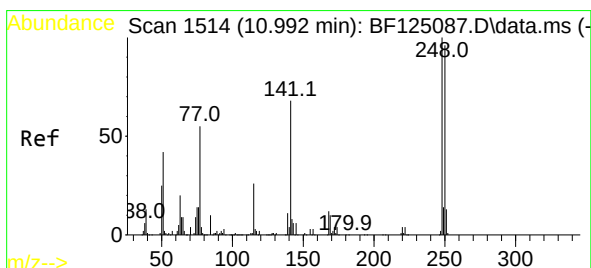
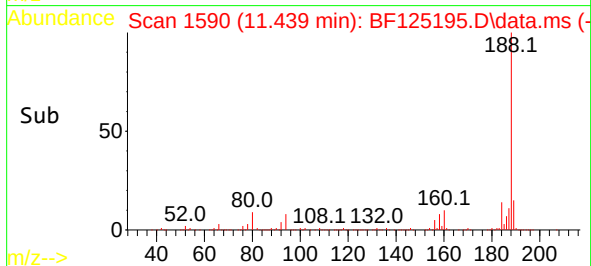
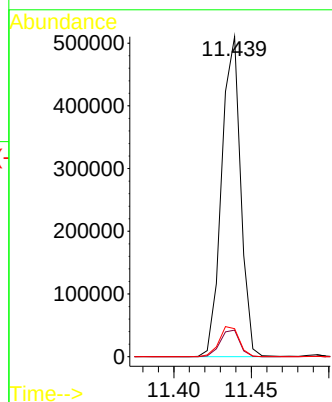
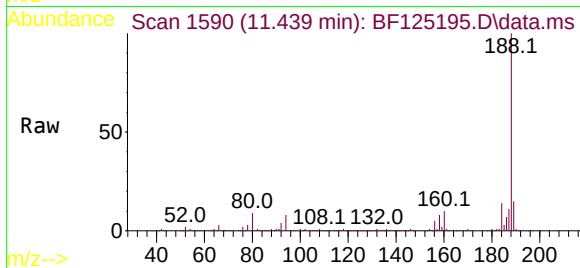




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

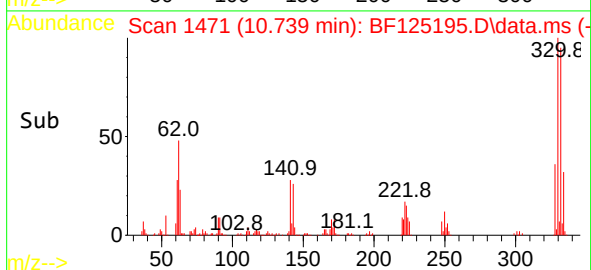
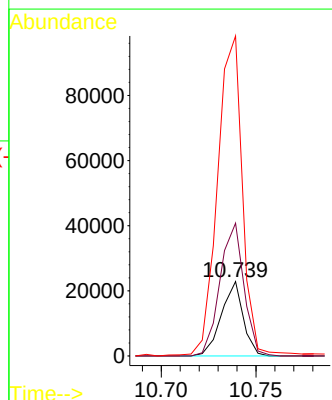
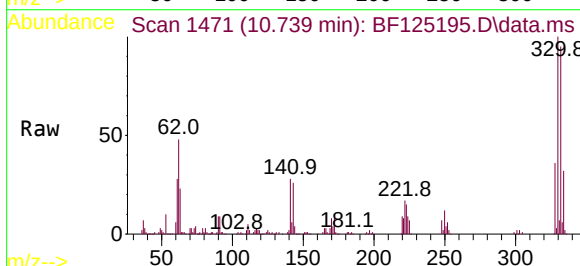
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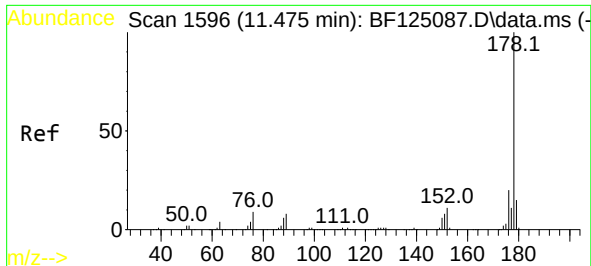
Tgt Ion:188 Resp: 436678
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.8 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.509 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.241 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:248 Resp: 18399
Ion Ratio Lower Upper
248 100
250 178.4 74.2 111.4#
141 429.6 60.4 90.6#

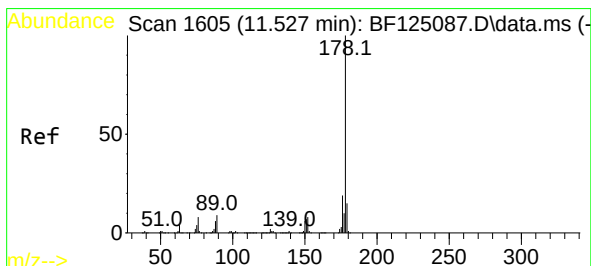
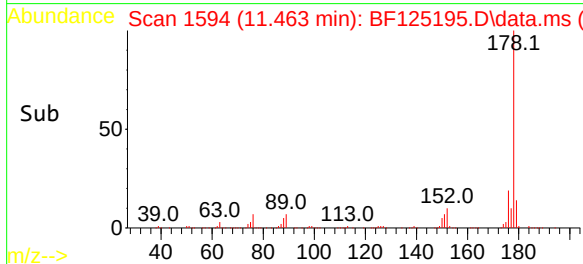
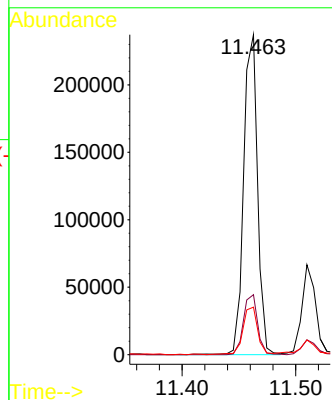
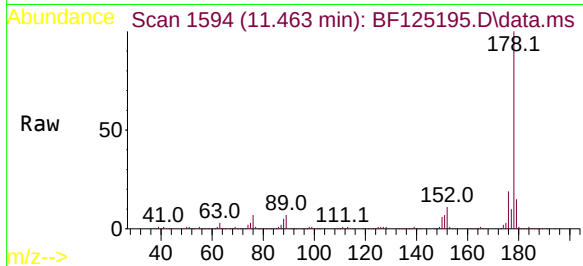




#71
Phenanthrene
Concen: 8.383 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

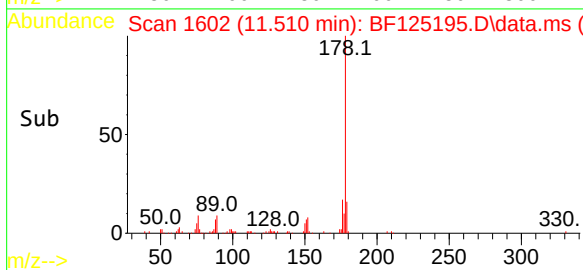
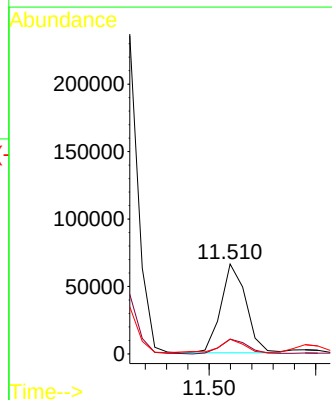
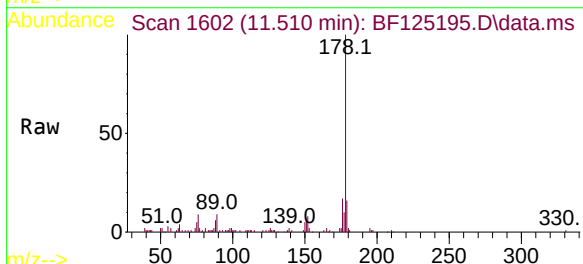
Instrument :
BNA_F
ClientSampleId :
130-A

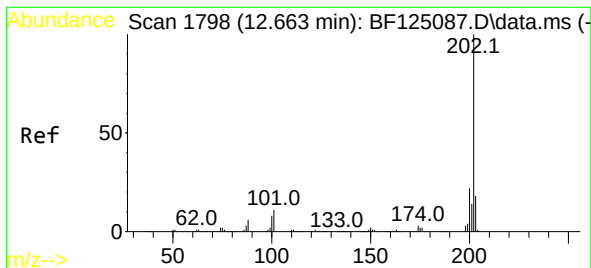
Tgt Ion:178 Resp: 201708
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 14.8 11.5 17.3



#72
Anthracene
Concen: 2.283 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:178 Resp: 54154
Ion Ratio Lower Upper
178 100
176 16.6 14.3 21.5
179 16.3 12.2 18.4

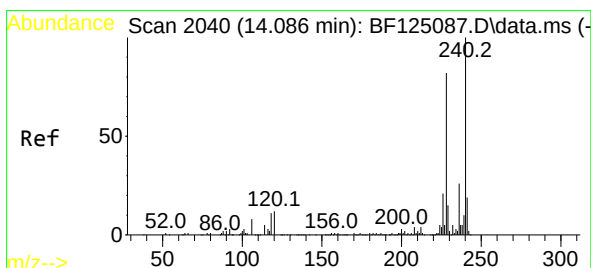
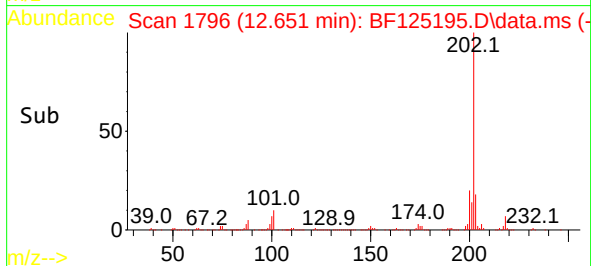
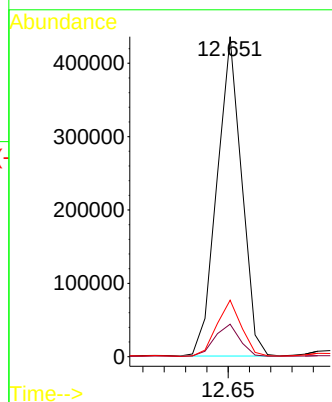
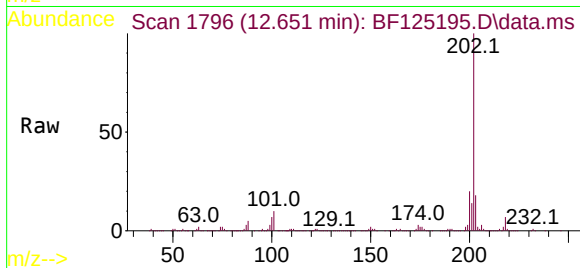




#75
Fluoranthene
Concen: 14.711 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

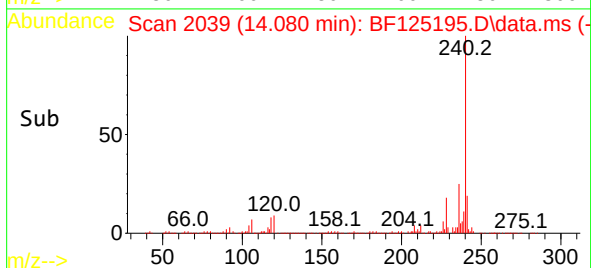
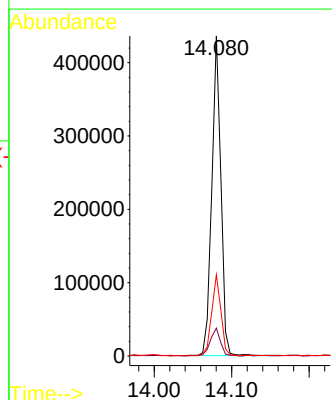
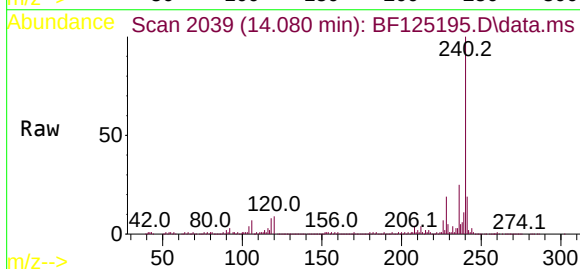
Instrument :
BNA_F
ClientSampled :
130-A

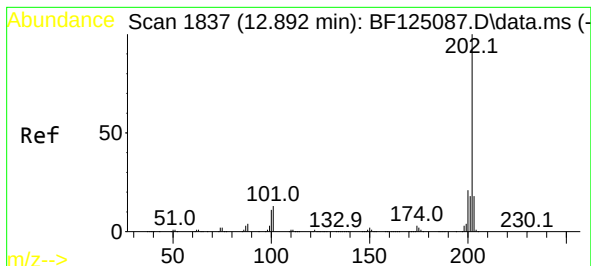
Tgt Ion:202 Resp: 351210
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.7
203 17.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:240 Resp: 354142
Ion Ratio Lower Upper
240 100
120 8.7 10.8 16.2#
236 25.4 21.6 32.4





#78

Pyrene

Concen: 18.512 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF125195.D

Acq: 24 Aug 2021 20:37

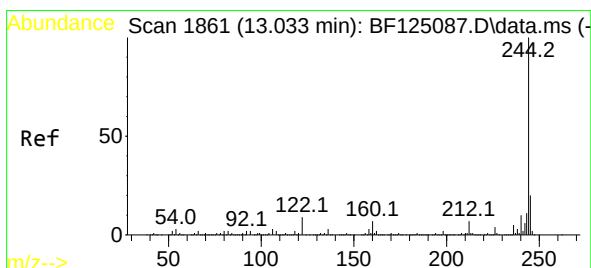
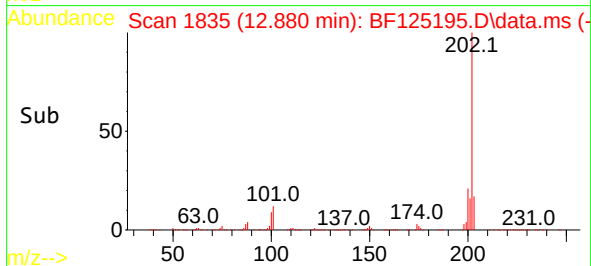
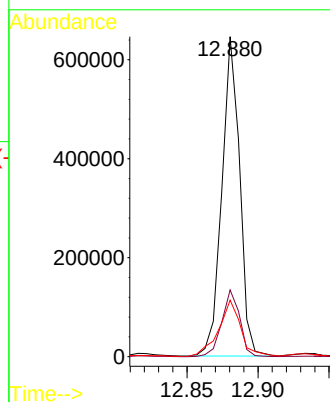
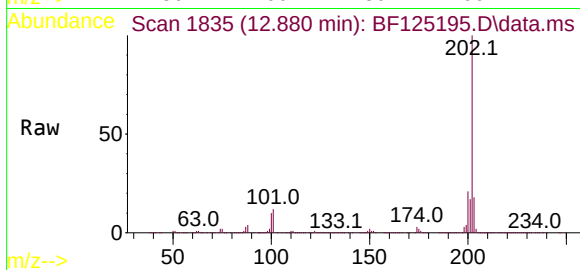
Tgt Ion:202 Resp: 562373

Ion Ratio Lower Upper

202 100

200 20.9 15.3 22.9

203 17.6 13.4 20.0



#79

Terphenyl-d14

Concen: 51.975 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.000 min

Lab File: BF125195.D

Acq: 24 Aug 2021 20:37

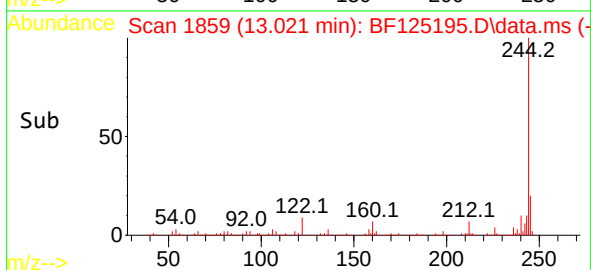
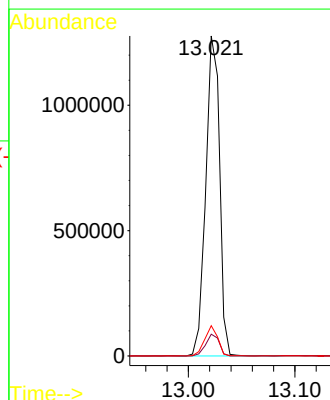
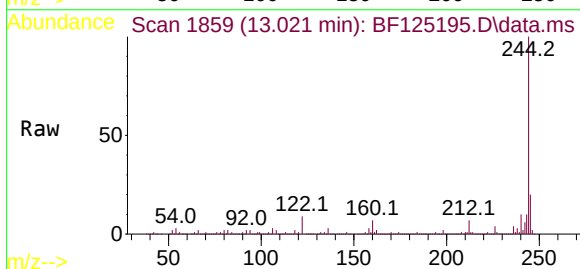
Tgt Ion:244 Resp: 1155404

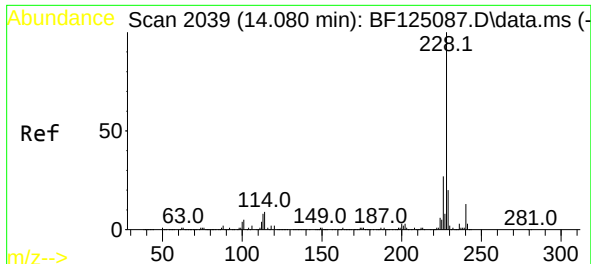
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 9.5 9.0 13.4

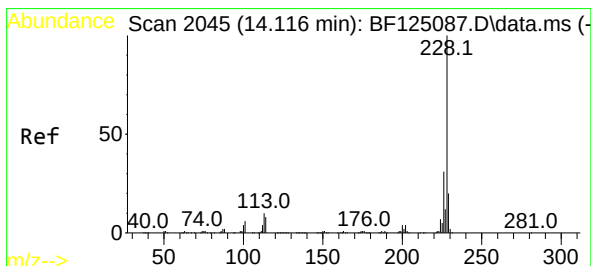
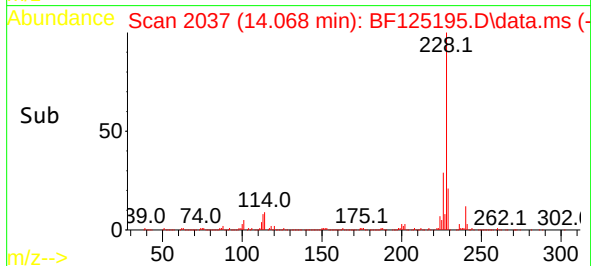
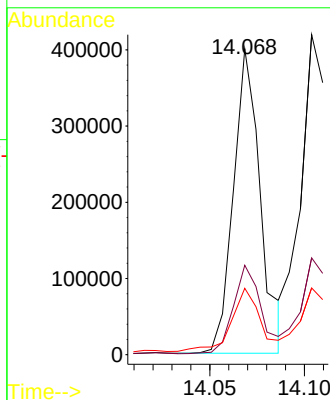
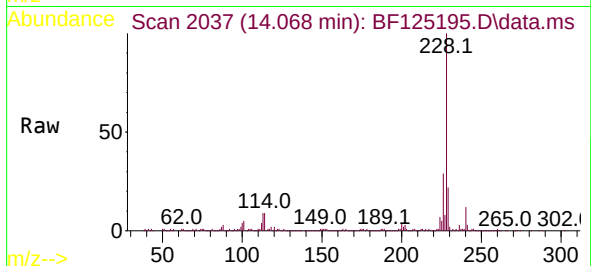




#81
Benzo(a)anthracene
Concen: 15.444 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

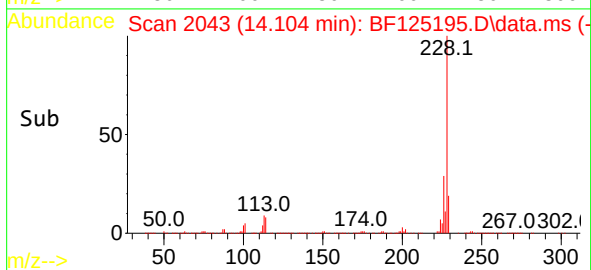
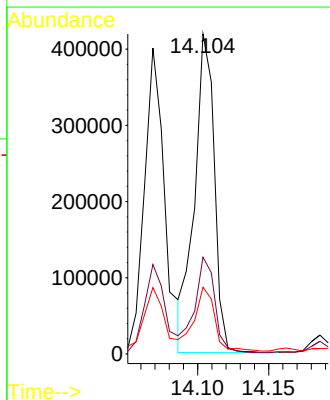
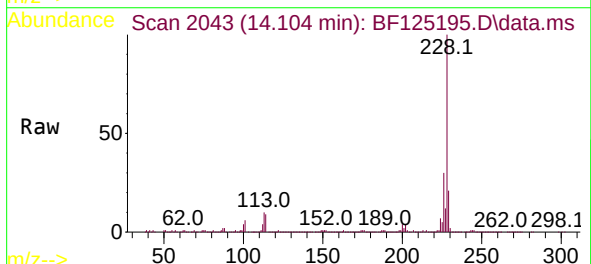
Instrument :
BNA_F
ClientSampleId :
130-A

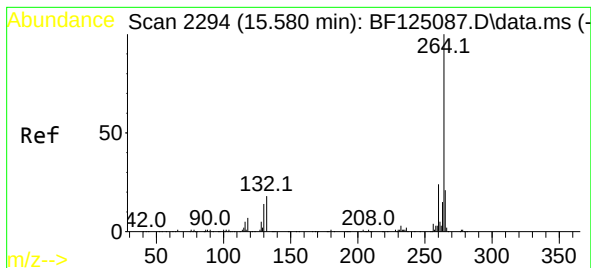
Tgt Ion:228 Resp: 394070
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 21.7 15.6 23.4



#83
Chrysene
Concen: 16.093 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:228 Resp: 406092
Ion Ratio Lower Upper
228 100
226 30.3 22.6 34.0
229 20.8 15.9 23.9

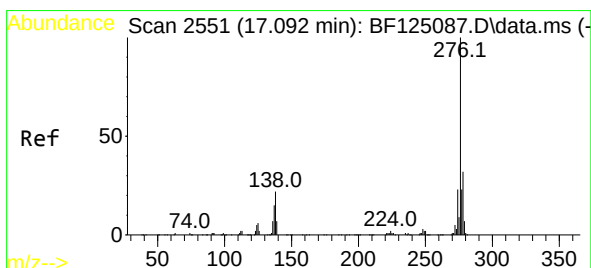
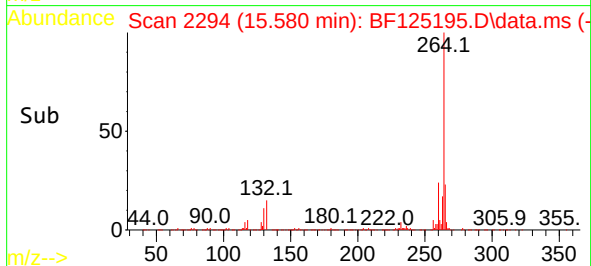
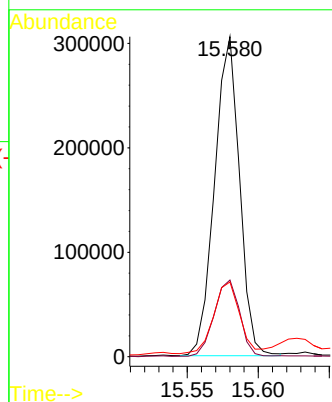
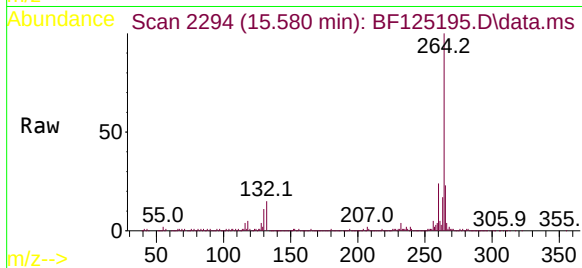




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

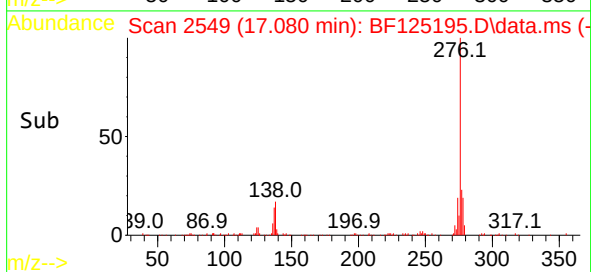
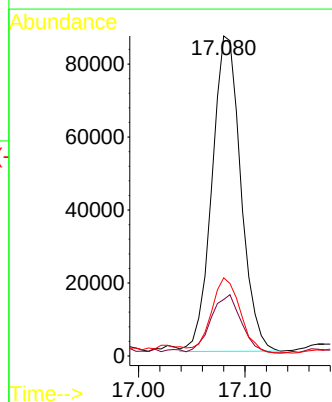
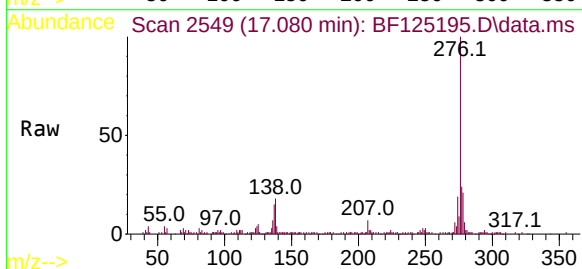
Instrument :
BNA_F
ClientSampled :
130-A

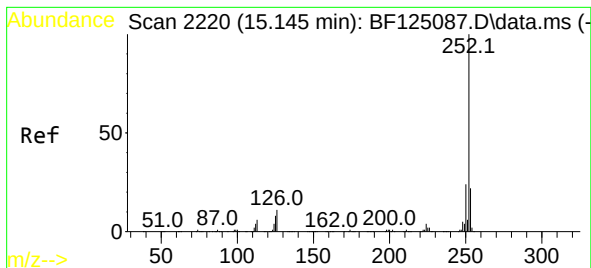
Tgt Ion:264 Resp: 372724
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 23.4 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.049 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.012 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:276 Resp: 162415
Ion Ratio Lower Upper
276 100
138 19.4 24.1 36.1#
277 24.1 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 2.454 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.112 min

Lab File: BF125195.D

Acq: 24 Aug 2021 20:37

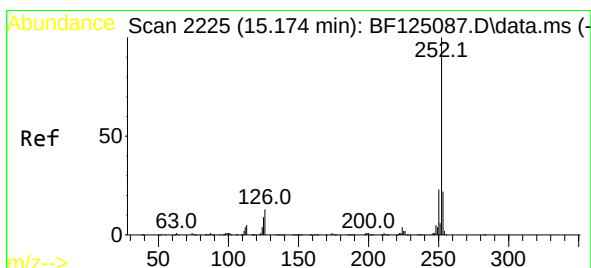
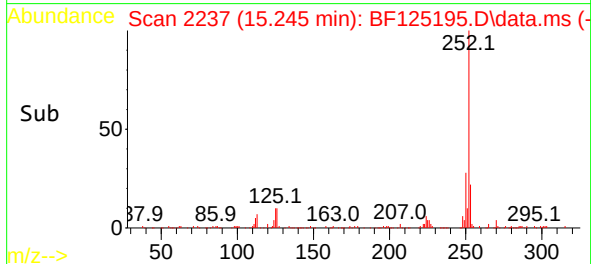
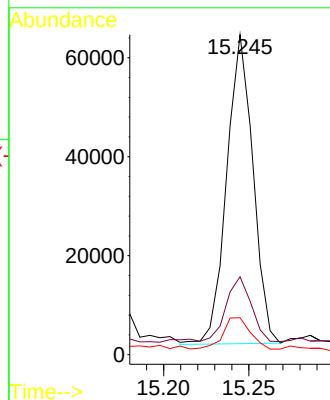
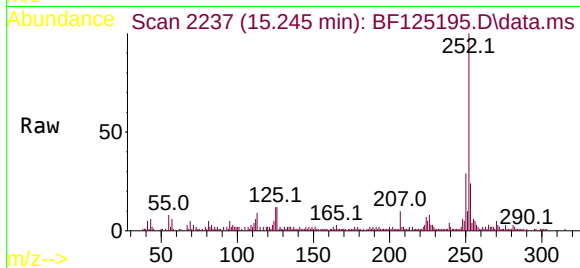
Instrument :

BNA_F

ClientSampleId :

130-A

Tgt Ion:252	Resp:	66835
Ion Ratio	Lower	Upper
252	100	
253	24.4	16.8 25.2
125	11.5	9.8 14.8



#89

Benzo(k)fluoranthene

Concen: 22.356 ng

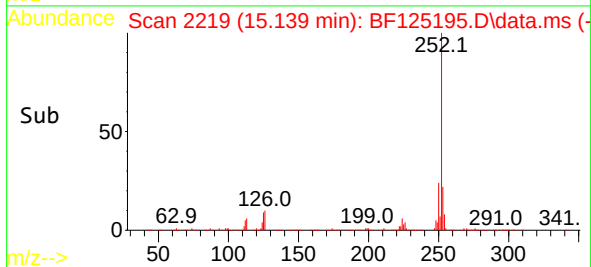
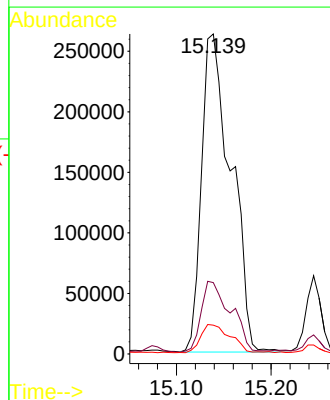
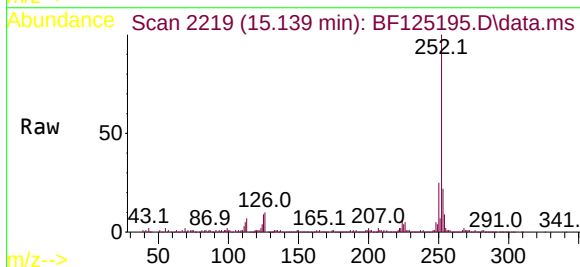
RT: 15.139 min Scan# 2219

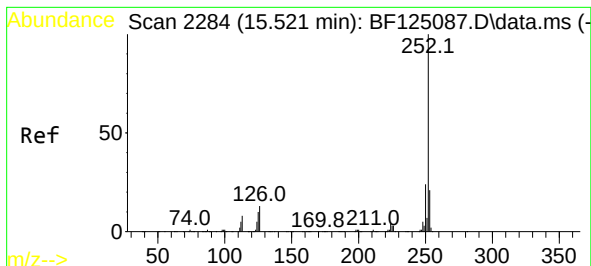
Delta R.T. -0.029 min

Lab File: BF125195.D

Acq: 24 Aug 2021 20:37

Tgt Ion:252	Resp:	568059
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.8 26.8
125	9.0	7.2 10.8

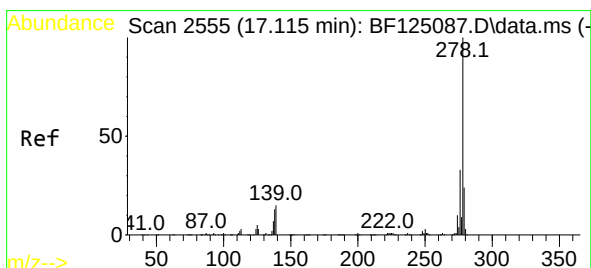
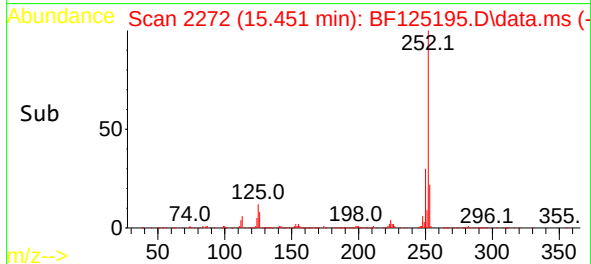
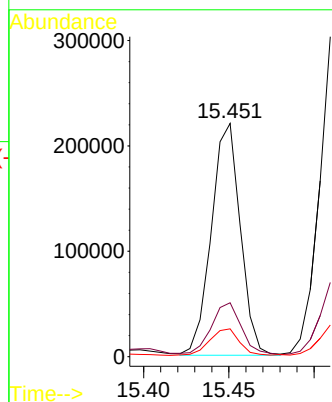
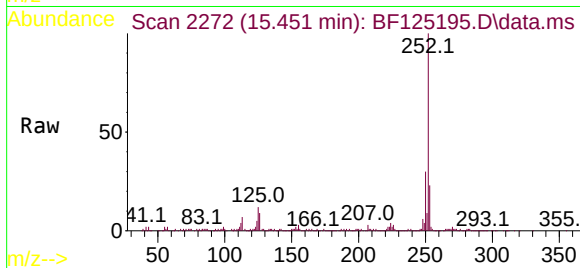




#90
Benzo(a)pyrene
Concen: 10.840 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.065 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Instrument :
BNA_F
ClientSampled :
130-A

Tgt Ion:252 Resp: 260741
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 12.0 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 2.239 ng
RT: 17.327 min Scan# 2591
Delta R.T. 0.218 min
Lab File: BF125195.D
Acq: 24 Aug 2021 20:37

Tgt Ion:278 Resp: 51959
Ion Ratio Lower Upper
278 100
139 17.2 14.9 22.3
279 25.5 19.7 29.5

